CLAIMS

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What is claimed is:

1	1. A system for proactive forced renewal of content protection
2	implementations in devices comprising:
3	a key generation facility to generate and allocate keys for the devices, and
4	to generate revocation data corresponding to revoked keys, the revoked keys
5	being revoked in response to at least one of a security compromise and on a
6	periodic basis independent of a security compromise; and
7	a device manufacturer to receive the keys from the key generation facility,
8	to embed the keys in content protection implementations for the devices, to
9	distribute the devices, and to renew the content protection implementations in
10	devices after the devices are distributed, the renewal occurring in response to at
11	least one of a security compromise and on a periodic basis independent of a
12	security compromise.
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1	2. The system of claim 1, further comprising a content provider to receive
2	the revocation data from the key generation facility, and to communicate the
3	revocation data to the devices.
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1	3. The system of claim 1, wherein the device manufacturer receives the
2	revocation data from the key generation facility, and communicates the
3	revocation data to the devices.
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1	4. The system of claim 1, wherein generation of the revocation data and
2	renewal of the content protection implementations in the devices are performed
3	at the same frequency.
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1	5. The system of claim 1, wherein each device processes the revocation

data prior to allowing access to protected content.

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implemented player applications for accessing protected content.

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1	14. A method comprising:
2	receiving keys from a key generation facility;
3	embedding the keys in a content protection implementation for a plurality
4	of devices;
5	distributing the devices; and
6	renewing the content protection implementations in the devices after the
7	devices are distributed, the renewal occurring in response to at least one of a
8	security compromise and on a periodic basis independent of a security
9	compromise.
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1	15. The method of claim 14, further comprising periodically receiving
2	revocation data from the key generation facility; and
3	communicating the revocation data to newly manufactured devices.
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1	16. The method of claim 15, wherein periodically receiving the revocation
2	data and renewing the content protection implementations in the devices are
3	performed at the same frequency.
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1	17. The method of claim 15, wherein the revocation data comprises a
2	range of key IDs for revoked keys.
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1	18. The method of claim 15, wherein renewing the content protection
2	implementations in the devices occurs prior to communicating the revocation
3	data to previously distributed devices by a selected amount of time.
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1	19. The method of claim 14, wherein the devices comprise software-
2	implemented player applications for accessing protected content.
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1	20. The method of claim 15, wherein each device processes the
2	revocation data prior to allowing access to protected content.

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21. An article comprising: a storage medium having a plurality of machine readable instructions, wherein when the instructions are executed by a processor, the instructions provide for receiving keys from a key generation facility, embedding the keys in content protection implementations for a plurality of devices, distributing the devices, and renewing the content protection implementations in the devices after the devices are distributed, the renewal occurring in response to at least one of a security compromise and on a periodic basis independent of a security compromise.

. 1 .

- 22. The article of claim 21, further comprising instructions for periodically receiving revocation data from the key generation facility, and communicating the revocation data to newly manufactured devices.
- 23. The article of claim 22, wherein instructions for periodically receiving the revocation data and periodically renewing the content protection implementations in the devices are performed at the same frequency.
- 24. The article of claim 22, wherein the revocation data comprises a range of key IDs for revoked keys.
- 25. The article of claim 22, wherein renewing the content protection implementations in the devices occurs prior to communicating the revocation data into previously distributed devices.

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